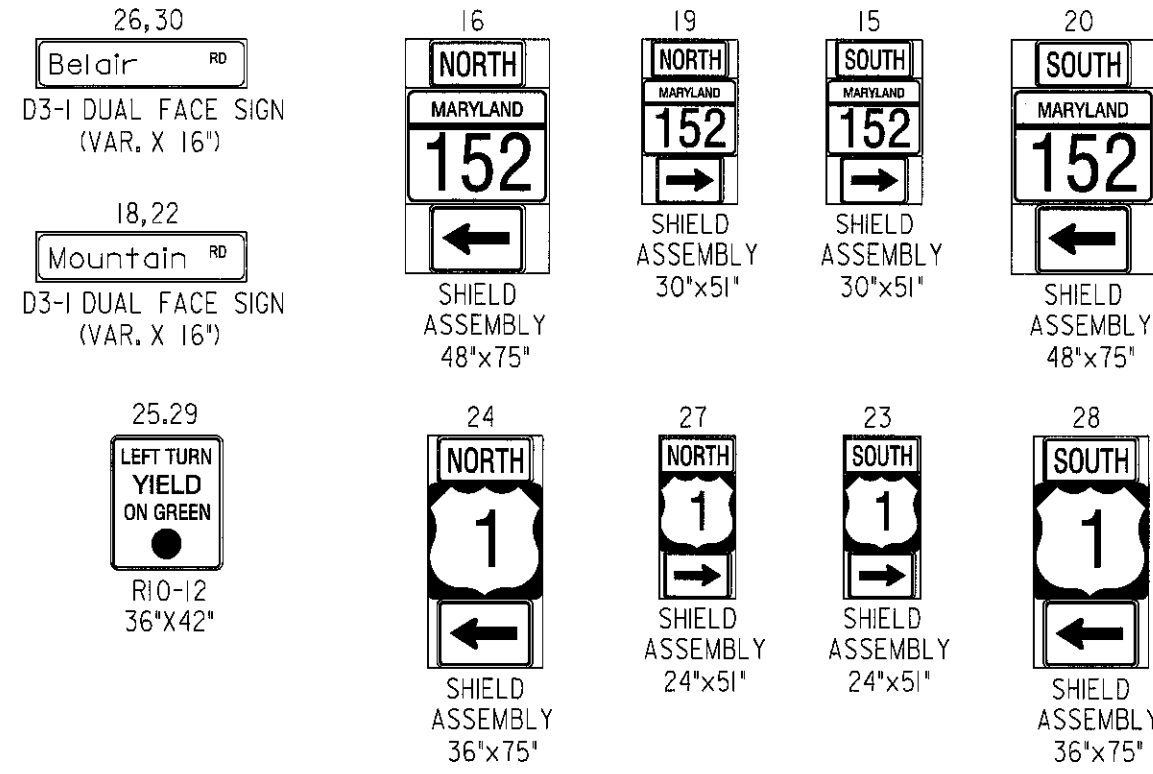


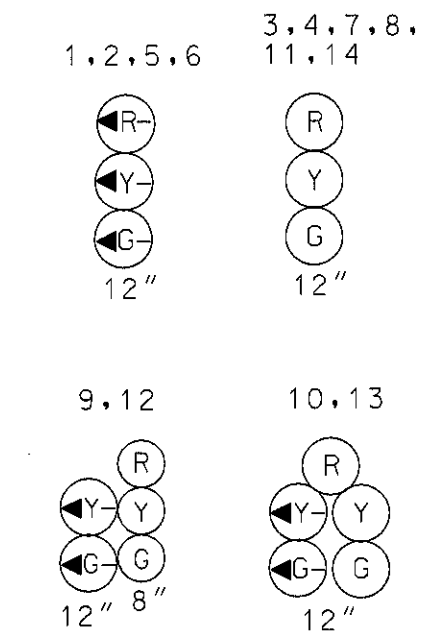
NOTE:
US 1 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNS

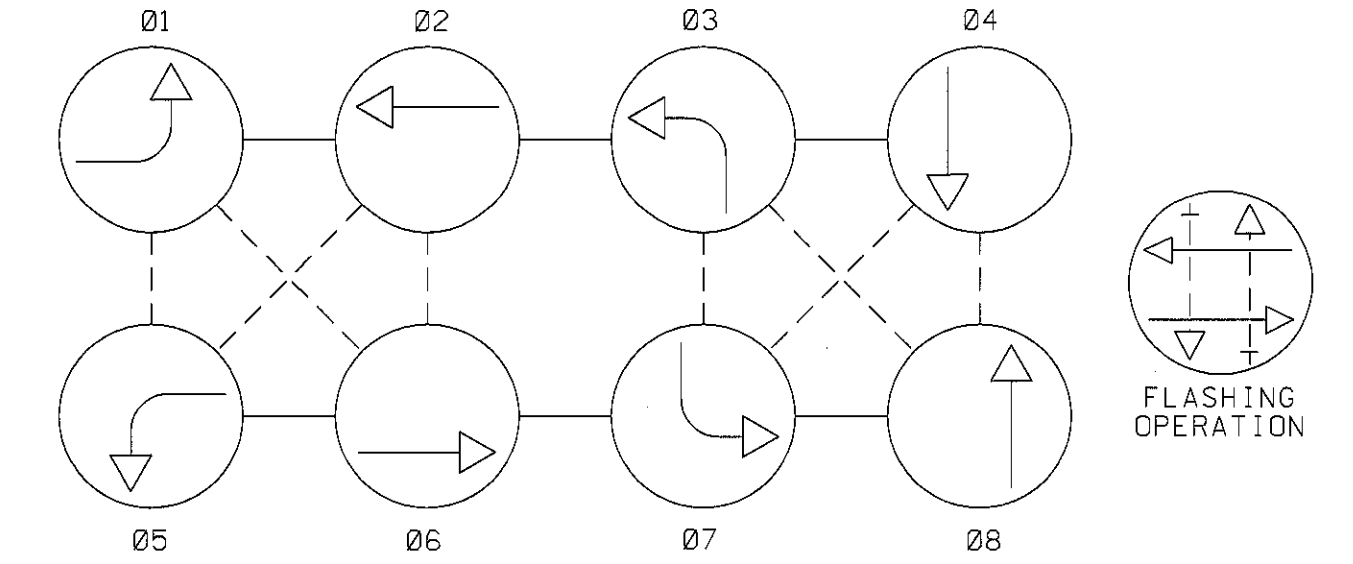


NOTE:
THERE IS ONE EXISTING HANDHOLE
LOCATED WITHIN THIS BREAK.

EXISTING SIGNALS



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

TO BALTO. CO. LINE

US 1 (BELAIR RD)

MD 152
(MOUNTAIN RD)

CITGO
STATION

US 1 (BELAIR RD)

TO MD 147

CONSTRUCTION DETAILS

- A Install microloop probe set with 1000' lead-in cable.
- B Install handhole.
- C Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored) with microloop probe lead-in's
- D Use existing handhole.
- E Use existing conduit. Install microloop probe lead-in's
- F Existing base-mounted cabinet and controller.
- G Cap and abandon existing conduit.
- H Remove existing handhole.
- I Disconnect and abandon existing microloop probe.

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 1 AND MD 152 IN HARFORD COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

AN EXISTING EIGHT-PHASE, FULL-TRAFFIC-ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET IS BEING USED. THE CONTROLLER CURRENTLY OPERATES AS AN EIGHT-FULL-TRAFFIC-ACTUATED CONTROLLER WITH EXCLUSIVE LEFT TURN PHASES FOR N.B. AND S.B. US 1 AND EXCLUSIVE PERMISSIVE LEFT TURN PHASES FOR E.B. AND W.B. MD 152. THIS OPERATION WILL NOT CHANGE.

THIS WORK WILL INVOLVE THE REPLACEMENT OF THE SOUTHBOUND US 1 PASSAGE DETECTORS.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO DOT'S FOR APPROVAL PRIOR TO INSTALLATION.	
QUANTITY	DESCRIPTION
1 EA	MAINTENANCE OF TRAFFIC
1 EA	REMOVE AND DISPOSE EXISTING HANDHOLE
2 EA	FURNISH AND INSTALL NON-INVASIVE MICROLOOP PROBE WITH 1000 FT. LEAD-IN
20 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT (BORED)
1 EA	FURNISH AND INSTALL ELECTRIC HANDHOLE

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---

REVISIONS		APPROVALS	
SHA NO. BW996M82 REPLACE S.B. US 1 PASSAGE DETECTION		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
TMZ 11/15/01 RECONSTRUCT EXISTING SIGNAL SHA NO. XX1005485		ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
RRZ 12/88 REPLACE LOOP DETECTORS DUE TO GEOMETRICS. SHA # H-897-501-456		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
DCD SR DAZ ETP BRK		DIRECTOR, TRAFFIC & SAFETY	



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 (BELAIR RD.) AND
MD 152 (MOUNTAIN RD.)

DRAWN BY: DCD	F.A.P. NO. 681G	TS NO. 681G	SHEET NO. 1 OF 1
CHECKED BY: SR	S.H.A. NO. H-897-501-456	T.I.M.S. NO.	
SCALE: 1" = 20'	COUNTY: HARFORD		
DATE: 12/88	LOG MILE: 12000101.35		